

JavaScript-Control Flow

Here's a summary of the control flow in JavaScript, along with examples:

Conditional Statements

1. **If Statement:** The `if` statement allows you to execute code if a specified condition is true.

Example:

```
let x = 5; if (x > 10) { console.log("x is greater than 10"); } else { console.log("x is less than or equal to 10"); }
```

2. **If-Else Statement:** The `else` statement allows you to execute code if the condition is false.

Example:

```
```\njavascript\nlet x = 5;\nif (x > 10) {\n  console.log("x is greater than 10");\n} else {\n  console.log("x is less than or equal to 10");\n}
```

3. **If-Else If Statement:** The `else if` statement allows you to check multiple conditions.

Example:

```
let x = 5; if (x > 10) { console.log("x is greater than 10"); } else if (x == 5) { console.log("x is equal to 5"); } else { console.log("x is less than 5"); }
```

**\*\*Loops\*\***

1. **\*\*For Loop\*\***: The `for` loop allows you to execute code repeatedly for a specified

Example:

```
```javascript
let fruits = ["apple", "banana", "cherry"];
for (let i = 0; i < fruits.length; i++) {
  console.log(fruits[i]);
}
```

2. **While Loop**: The `while` loop allows you to execute code repeatedly as long as a condition is true.

Example:

```
let x = 5; while (x > 0) { console.log(x); x--; }
```

3. ****Do-While Loop****: The `do-while` loop allows you to execute code at least once and

Example:

```
```javascript
let x = 5;
do {
 console.log(x);
 x--;
} while (x > 0);
```

## Break and Continue

1. **Break Statement**: The `break` statement allows you to terminate a loop or switch statement.

Example:

```
let i = 0; while (i < 5) { console.log(i); if (i == 3) break; i++; }
```

2. **\*\*Continue Statement\*\***: The `continue` statement allows you to skip the current iteration of a loop and move on to the next iteration.

Example:

```
```javascript
let i = 0;
while (i < 5) {
  if (i == 3) {
    i++;
    continue;
  }
  console.log(i);
  i++;
}
```

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